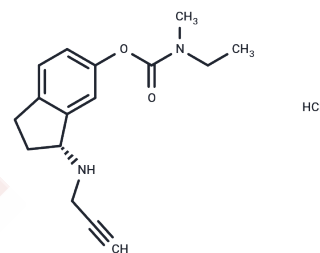


Ladostigil hydrochloride

Chemical Properties

CAS No. :	209394-18-3
Formula:	C ₁₆ H ₂₁ ClN ₂ O ₂
Molecular Weight:	308.8
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ladostigil hydrochloride (TV-3326), an orally active compound, acts as a dual inhibitor targeting both cholinesterase and brain-selective monoamine oxidase (MAO), demonstrating inhibition constants (IC ₅₀ s) of 31.8 μM for acetylcholinesterase (AChE) and 37.1 μM for MAO-B. This compound exhibits neuroprotective, antioxidant, and anti-inflammatory properties, making it useful for research into depression and Alzheimer's disease.
Targets(IC ₅₀)	Others,Cholinesterase (ChE),Monoamine Oxidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2383 mL	16.1917 mL	32.3834 mL
5 mM	0.6477 mL	3.2383 mL	6.4767 mL
10 mM	0.3238 mL	1.6192 mL	3.2383 mL
50 mM	0.0648 mL	0.3238 mL	0.6477 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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